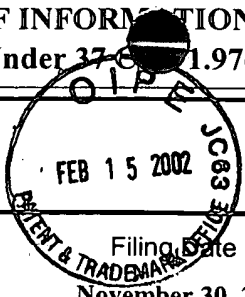


TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
71974-49056

In Re Application Of:

Peter Monsen



#3

Serial No. 09/980,416	Filing Date November 30, 2001	Examiner n/a	Group Art Unit n/a
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Title:

Multiple Access System and Method For Multibeam Digital Radio Systems

Address to:

Assistant Commissioner for Patents
Washington, D.C. 20231

37 CFR 1.97(b)

1. The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

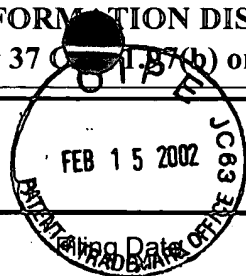
2. The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- the statement specified in 37 CFR 1.97(e);
- OR
- the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 C.F.R. 1.87(b) or 1.97(c))

Docket No.
71974-49056

In Re Application:

Peter Monsen



Serial No.

09/980,416

Examination Date
November 30, 2001

Examiner

n/a

Group Art Unit

n/a

Multiple Access System and Method For Multibeam Digital Radio Systems

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- A check in the amount of _____ is attached.
- The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 04-1105 as described below. A duplicate copy of this sheet is enclosed.
 - Charge the amount of _____
 - Credit any overpayment.
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Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F

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I certify that this document and fee is being deposited February 4, 2002 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

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Signature

Dated: February 4, 2002

Peter J. Manus, Esq.

Reg. No. 26,766

Dike Bronstein Roberts & Cushman

Intellectual Property Group of

Edwards & Angell, LLP

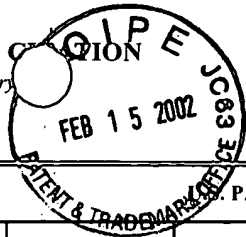
P.O. Box 9169

Boston, MA 02209

Tel: (617) 517-5530; Fax: (617) 439-4170

cc:

**SUPPLEMENTAL
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)



Docket Number (Optional) 1974-49056	Application Number 09/980,416
Applicant(s) Peter Monsen	
Filing Date November 30, 2001	Group Art Unit n/a

PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,112,370	9/5/78	Monsen	325	40	8/16/76
	AB	4,365,338	12/21/82	McRae et al.	375	12	6/27/80
	AC	4,644,562	2/17/87	Kavehrad et al.	375	14	8/28/85
	AD	5,680,419	10/21/97	Bottomley	375	347	8/2/94
	AE	5,838,742	11/17/98	Abu-Dayya	375	347	10/17/96

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

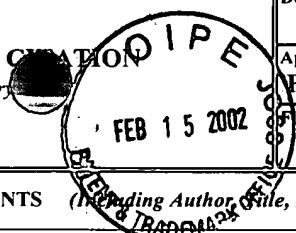
CA	"An Adaptive Receiver for Digital Signalling Through Channels With Intersymbol Interference", J.G. Proaxis and J.H. Miller, IEEE Transactions on Information Theory, Vol. IT-15, No. 4, July 1969, pp. 484-497.
CB	"MMSE Equalization of Interference on Fading Diversity Channels", P. Monsen, IEEE Conference on Communications, Conference Record, Vol. 1, Denver, CO, June 1981, pp. 12.2-1 - 12.2-5

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**SUPPLEMENTAL
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)



Docket Number (Optional) 71974-49056	Application Number 09-980,416
Applicant(s) Peter Monsen	
Filing Date November 30, 2001	Group Art Unit n/a

*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
CC	"Adaptive Equalization and Interference Cancellation for Wireless Communication Systems", B.C.W. Lo and K.B. Letaief, IEEE Transactions on Communications, Vol. 47, No. 4, April 1999, pp. 538-545.
CD	"Dynamic Channel Assignment in High-Capacity Mobile Communications Systems", D.C. Cox and D.O. Reudink, The Bell System Technical Journal, Vol. 50, No. 6, July-August 1971, pp. 1833-1857..
CE	"MMSE Equalization of Interference on Fading Diversity Channels", P. Monsen, IEEE Transactions on Communications, Vol. COM-32, No. 1, January 1984, pp. 5-12.
CF	"Linear Multiuser Detectors for Synchronous Code-Division Multiple Access Channels", R. Lupas and S. Verdu, , IEEE Transactions on Information Theory, Vol. 35, No. 1, January 1989, pp. 123-136.
CG	"Decorrelating Decision-Feedback Multiuser Detector for Synchronous Code-Division Multiple-Access Channel", A. Duel-Hallen, IEEE Transactions on Communications, Vol. COM-41, No. 2, February 1993, pp. 285-290.
CH	"A Family of Multiuser Decision-Feedback Detectors for Asynchronous Code-Division Multiple-Access Channels", A. Duel-Hallen, IEEE Transactions on Communications, Vol. 43, No. 2/3/4, February/March/April 1995, pp. 421-434.
CI	"Information-Theoretic Considerations for Symmetric, Cellular, Multiple-Access Fading Channels--Part I", S. Shamai and A.D. Wyner, IEEE Transactions on Information Theory, Vol. 43, No. 6, November 1997, pp. 1877-1894.
CJ	"Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System, EIA/TI IS-95, 1992. (ABSTRACT ONLY)
CK	"Feedback Equalization for Fading Dispersive Channels", P. Monsen, IEEE Transactions on Information Theory, January 1971, pp. 56-64.
CL	Least Square Estimation with Application to Digital Signal Processing, A.A. Giordano and F.M. Hsu, John Wiley and Sons, New York, NY, 1985, Chapter 3.3.

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.